

Work Order ID 109904

\*109904\*

Page 1

Thursday, December 05, 2013 1:12:34 PM

Item ID: D2694

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Pod, 350/407

Start Date: 12/5/2013 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 1/24/2014 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Run Start \*NR1\*

Approvals: Process Plan: CL

Date: 13/12/05 Tooling:

Date:

Stop \*NR2\*

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D2694

Rev I

100

0.00

\*100\*

PURCHASING

Purchasing

Memo

0.00

Purchasing

\*\*\* QTY of (3) D3001-1 Ship to Delastek \*\*\*

Issue P/O:

22308

Description:

D2202-1Pod Lid

D2202-3Pod Base

Supplier: Delastek

Copy of Certificate of Conformity and Process sheet from Delastek is required

CL 13/12/05 ①

110

Receive & Inspect for Damage & Mat'l Certs

0.00

\*110\*

Packaging

Memo

0.00

Packaging

Ensure certificate of conformity and process sheet from Delastek is attached

Pay/ps ①

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><br><input type="checkbox"/> Other |
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**Work Order ID 109904****\*109904\***

Page 2

Thursday, December 05, 2013 1:12:34 PM

Item ID: D2694      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: Pod, 350/407  
Start Date: 12/5/2013      Start Qty: 1.00      **\*1\***      Cust Item ID:  
Required Date: 1/24/2014      Req'd Qty: 1.00      **\*1\***      Customer:  
Reference:

Approvals:      Process Plan:      Date:      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

| Sequence ID/<br>Work Center ID                | Operation<br>Description                                                                                                    | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty                | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp   |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|---------|--------|--------------|------------------------------|---------------|------------------|------------------|
| 120<br><b>*120*</b><br>QC<br>Quality Control  | QC6- Inspect dimensions to drawing<br><br>Memo<br>Check for void spot and pins. Check over all dimensions as per Dwg D2202. | 0.00<br><br>0.00     |         |        |              | DAS<br>27<br>9-89<br>15/2/13 |               |                  | PTO              |
| 130<br><b>*130*</b><br>Small Fab<br>Small Fab | Small Fab<br><br>Memo<br>Drill hinge, Lid and base as per dwg D2694                                                         | 0.00<br><br>0.00     |         |        |              | DAS<br>27<br>9-89<br>15/2/13 |               |                  |                  |
| 140<br><b>*140*</b><br>QC<br>Quality Control  | QC6- Inspect dimensions to drawing<br><br>Memo                                                                              | 0.00<br><br>0.00     |         |        |              | 15-02-03                     |               |                  | DAS<br>9<br>9-89 |

DQA:

Date: 15/06/30



QA Closed:

Date: 15/06/03

## WORK ORDER NON-CONFORMANCE / UPDATE

Work Order update only ☐

|                                                                              |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order: <u>109904</u><br>Part No. <u>D2694</u><br>NCR No. <u>15-4988</u> | <b>DISPOSITION</b><br>Rework <input checked="" type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br>Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Thermoforming <input type="checkbox"/><br>Large Fab <input type="checkbox"/><br>Crosstube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Composite <input checked="" type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Supplier <input checked="" type="checkbox"/><br>Engineering <input type="checkbox"/><br>Quality <input type="checkbox"/><br>Other <input type="checkbox"/> |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

## FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                            |
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| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input checked="" type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
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# Work Order ID 109904

\*109904\*

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Thursday, December 05, 2013 1:12:34 PM

Item ID: D2694 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Pod, 350/407  
 Start Date: 12/5/2013 Start Qty: 1.00 \*1\* Cust Item ID:  
 Required Date: 1/24/2014 Req'd Qty: 1.00 \*1\* Customer:  
 Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start \*NR1\*  
 QC: Date: SPC (Y/N): Date: Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description                                                                           | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty     | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|----------------------------------------------------------------------------------------------------|----------------------|---------|--------|--------------|-------------------|---------------|------------------|----------------|
| 150                            |                                                                                                    | 0.00                 |         |        |              | DAS<br>27<br>9-89 |               |                  |                |
| *150*                          | Small Fab                                                                                          | 0.00                 |         |        |              | 15/01/3           |               |                  |                |
| Small Fab                      | Memo                                                                                               |                      |         |        |              |                   |               |                  |                |
| Small Fab                      | 1-Assemble as per Dwg D2694<br>Use DT8023 for (10) holes on base.<br>2- install placard as per dwg |                      |         |        |              |                   |               |                  |                |
| 160                            | QC5- Inspect part completeness to step on W/O                                                      | 0.00                 |         |        |              |                   |               |                  |                |
| *160*                          |                                                                                                    | 0.00                 |         |        |              | 15/02/04          |               |                  |                |
| QC                             | Memo                                                                                               |                      |         |        |              |                   |               |                  |                |
| Quality Control                |                                                                                                    |                      |         |        |              |                   |               |                  |                |
| 170                            | Identify as per dwg & Stock Location: _____                                                        | 0.00                 |         |        |              |                   |               |                  |                |
| *170*                          |                                                                                                    | 0.00                 |         |        |              |                   |               |                  |                |
| Packaging                      | Memo                                                                                               |                      |         |        |              |                   |               |                  |                |
| Packaging                      |                                                                                                    |                      |         |        |              |                   |               |                  |                |

P104903

DAS  
06  
9-89

FEB 10 2015

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
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**Work Order ID 109904****\*109904\***

Page 4

Thursday, December 05, 2013 1:12:34 PM

Item ID: D2694      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: Pod, 350/407  
Start Date: 12/5/2013      Start Qty: 1.00      **\*1\***      Cust Item ID:  
Required Date: 1/24/2014      Req'd Qty: 1.00      **\*1\***      Customer:  
Reference:

Approvals:      Process Plan:      Date:      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description                    | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|---------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 180                            | QC21- Final Inspection - Work Order Release | 0.00                 |         |        |              |               |               |                  |                |
| <b>*180*</b>                   |                                             |                      |         |        |              |               |               |                  |                |
| QC                             | Memo                                        | 0.00                 |         |        |              |               |               |                  |                |
| Quality Control                |                                             |                      |         |        |              |               |               |                  |                |

MLJ      15-02-11  
ME  
15-2-10

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
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# Picklist Print

Thursday, December 05, 2013 1:12:33 PM

Page 1

Work Order ID: 109904

Parent Item: D2694

Parent Item Name: Pod, 350/407

Start Date: 12/5/2013

Required Date: 1/24/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP E03.04.22Reformat; Modify steps 2,3,4,5RF  
IPP F 07.08.21 chg rivet per PAR 185  
JLM 10-04-27 VERIFIED BY:DD

EC IPP REV:G AS PER DSI9515

| Component Item ID/<br>Item Name               | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand  | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued    | Status |
|-----------------------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|-----------------|-------------|--------------|---------------|-------------------|--------|
| D2258-160<br>Placard                          |                        | Manufactured  | No          |                     |                  | 150             | Each               | 8.0000          | 1           | 1            |               | DAG<br>27<br>8-29 |        |
|                                               |                        |               |             | <u>Location</u>     |                  | <u>Loc Qty</u>  |                    | <u>Loc Code</u> |             |              |               |                   |        |
|                                               |                        |               |             | Return2012          |                  | 2               |                    |                 |             |              |               | 15/1/21           |        |
|                                               |                        |               |             | 62072               |                  | 2               |                    |                 |             |              |               |                   |        |
|                                               |                        |               |             | ST007               |                  | 6               |                    | B110345         |             | 1            |               |                   |        |
|                                               |                        |               |             | 62072               |                  | 2               |                    |                 |             |              |               |                   |        |
|                                               |                        |               |             | 84437               |                  | 4               |                    |                 |             |              |               |                   |        |
| D2461<br>Seal(Per Foot)<br>CUT TO 170.0" LONG |                        | Manufactured  | No          |                     |                  | 150             | f                  | 600.8839        | 14.1        | 15           |               | DAG<br>27<br>8-29 |        |
|                                               |                        |               |             | <u>Location</u>     |                  | <u>Loc Qty</u>  |                    | <u>Loc Code</u> |             |              |               |                   |        |
|                                               |                        |               |             | ST402               |                  | 600.883894      |                    |                 |             |              |               | 15/1/21           |        |
|                                               |                        |               |             | 102517              |                  | 282.89          |                    |                 |             |              |               |                   |        |
|                                               |                        |               |             | 39782               |                  | 6.5             |                    | B114238         |             | 15           |               |                   |        |
|                                               |                        |               |             | 55054               |                  | 4               |                    |                 |             |              |               |                   |        |
|                                               |                        |               |             | 63880               |                  | 14.8237         |                    |                 |             |              |               |                   |        |
|                                               |                        |               |             | 73644               |                  | 113.702984      |                    |                 |             |              |               |                   |        |
|                                               |                        |               |             | 85225               |                  | 178.96721       |                    |                 |             |              |               |                   |        |
| D3605-1<br>Placard                            |                        | Manufactured  | No          |                     |                  | 150             | Each               | 9.0000          | 1           | 1            |               | DAG<br>27<br>8-29 |        |
|                                               |                        |               |             | <u>Location</u>     |                  | <u>Loc Qty</u>  |                    | <u>Loc Code</u> |             |              |               |                   |        |
|                                               |                        |               |             | ST058               |                  | 9               |                    |                 |             |              |               | 15/1/21           |        |
|                                               |                        |               |             | 64286               |                  | 9               |                    | B110938         |             | 1            |               |                   |        |

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# Picklist Print

Thursday, December 05, 2013 1:12:33 PM

Work Order ID: 109904  
Parent Item: D2694  
Parent Item Name: Pod, 350/407

Start Date: 12/5/2013 Required Date: 1/24/2014  
Start Qty: 1.00 Required Qty: 1.00

|                                |              |    |                 |                |                 |   |   |            |
|--------------------------------|--------------|----|-----------------|----------------|-----------------|---|---|------------|
| D3001-1<br>Doubler             | Manufactured | No | 100             | Each           | 11.0000         | 3 | 3 | CL13/12/05 |
|                                |              |    |                 |                |                 |   |   |            |
|                                |              |    | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |   |   |            |
|                                |              |    | ST178           | 11             |                 |   |   |            |
|                                |              |    | 107795          | 8              |                 | 3 |   |            |
|                                |              |    | 85393           | 1              |                 |   |   |            |
|                                |              |    | 99490           | 2              |                 |   |   |            |
| D2202-1P<br>Side Pod Lid, 350  | Purchased    | No | 110             | Each           | 0.0000          | 1 | 1 | 109904     |
| D2202-3P<br>Side Pod Base, 350 | Purchased    | No | 110             | Each           | 0.0000          | 1 | 1 | 109904     |
| D2204-9<br>Rubber Latches      | Manufactured | No | 150             | Each           | 14.0000         | 5 | 5 |            |
|                                |              |    |                 |                |                 |   |   |            |
|                                |              |    | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |   |   |            |
|                                |              |    | st238           | 14             |                 |   |   | DAS        |
|                                |              |    | 85081           | 14             | B126168         |   |   | 27         |
| D2569<br>Hinge                 | Manufactured | No | 130             | Each           | 3.0000          | 1 | 1 | 9-89       |
|                                |              |    |                 |                |                 |   |   |            |
|                                |              |    | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |   |   |            |
|                                |              |    | CA              | 3              |                 |   |   | DAS        |
|                                |              |    | 107688          | 2              | B113852         |   |   | 27         |
|                                |              |    | 94308           | 1              |                 |   |   | 9-89       |
| D2429-041<br>Spring Clip Ass'Y | Manufactured | No | 150             | Each           | 10.0000         | 1 | 1 | 15/1/21    |
|                                |              |    |                 |                |                 |   |   |            |
|                                |              |    | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |   |   |            |
|                                |              |    | ST010           | 10             |                 |   |   | DAS        |
|                                |              |    | 107585          | 6              |                 |   |   | 27         |
|                                |              |    | 81895           | 4              |                 |   |   | 9-89       |
| D2528-1<br>Backer Plate        | Manufactured | No | 150             | Each           | 15.0000         | 5 | 5 | 15/1/21    |
|                                |              |    |                 |                |                 |   |   |            |
|                                |              |    | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |   |   |            |
|                                |              |    | ST011           | 15             |                 |   |   | DAS        |
|                                |              |    | 82334           | 15             | B113711         |   |   | 27         |
|                                |              |    |                 |                |                 |   |   | 9-89       |

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# Picklist Print

Page 3

Thursday, December 05, 2013 1:12:33 PM

Work Order ID: 109904

Parent Item: D2694

Parent Item Name: Pod , 350/407

Start Date: 12/5/2013

Required Date: 1/24/2014

Start Qty: 1.00

Required Qty: 1.00

D2528-3 Manufactured No

150 Each 8.0000

4 4

DAS  
27

Backer Plate

Location

Loc Qty

Loc Code

ST011  
107611  
65085

8  
6  
2

B110938

9

15/1/21

D3007-041 Manufactured No

150 Each 3.0000

1 1

DAS  
27

Prop Assy

Location

Loc Qty

Loc Code

ST259  
107599  
84300

3  
2  
1

B124738

1

15/1/21

AD62ABS Purchased No

150 Each 124.0000

38 38

DAS  
27

rivet

Location

Loc Qty

Loc Code

ST278  
125293  
m127048

124  
24  
100

M128454

38

15/1/21

AN4-5A Purchased No

150 Each 180.0000

19 19

DAS  
27

BOLT

Location

Loc Qty

Loc Code

ST355  
120562  
ST514  
120562

39  
39  
141  
141

M129680

19

15/1/21

AN4-6A Purchased No

150 Each 1,259.0000

1 1

DAS  
27

BOLT

Location

Loc Qty

Loc Code

ST355  
123355  
M126175  
M126317  
M127410

1259  
30  
2  
977  
250

1

15/1/21

Thursday, December 05, 2013 1:12:33 PM

Shop Packet Print

Page 3

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
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# Picklist Print

Thursday, December 05, 2013 1:12:33 PM

Work Order ID: 109904

Parent Item: D2694

Parent Item Name: Pod , 350/407

Start Date: 12/5/2013

Required Date: 1/24/2014

Start Qty: 1.00

Required Qty: 1.00

AN526C632R7

Purchased

No

150

Each

143.0000

2

2

DAS

27

Screw

Location

Loc Qty

Loc Code

ST345

143

112385

82

117317

61

M129339

15/1/21

NAS1149DN632J

Purchased

No

150

Each

404.0000

2

2

DAS

27

Washer

Location

Loc Qty

Loc Code

ST293

393

123900

5

M126084

282

M126254

6

M127255

100

ST510a

11

125646

11

M128812

15/1/21

NAS1149D0463J

Purchased

No

150

Each

5,475.0000

21

21

DAS

27

WASHER

Location

Loc Qty

Loc Code

FP001

2

122441

2

ST294

408

119097

1

121912

24

124198

35

124778

83

M127255

265

ST510a

5065

M126221

65

M127693

5000

M127799

15/1/21

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
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# Picklist Print

Thursday, December 05, 2013 1:12:34 PM

Work Order ID: 109904

Parent Item: D2694

Parent Item Name: Pod , 350/407

Start Date: 12/5/2013

Required Date: 1/24/2014

Start Qty: 1.00

Required Qty: 1.00

|           |           |    |     |      |            |    |    |     |
|-----------|-----------|----|-----|------|------------|----|----|-----|
| MS21042L4 | Purchased | No | 150 | Each | 4,489.0000 | 20 | 20 | DAG |
| Locknut   |           |    |     |      |            |    |    | 27  |

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
|-----------------|----------------|-----------------|

|         |      |  |
|---------|------|--|
| FP001   | 84   |  |
| 122452  | 38   |  |
| 8182    | 12   |  |
| m117441 | 12   |  |
| m119017 | 6    |  |
| m121444 | 16   |  |
| ST314   | 9    |  |
| m125708 | 9    |  |
| st507   | 33   |  |
| m126073 | 33   |  |
| ST509   | 4078 |  |
| m123376 | 2000 |  |
| m126275 | 184  |  |
| m127255 | 1894 |  |
| ST510a  | 127  |  |
| m126333 | 127  |  |
| ST518   | 158  |  |
| 124231  | 158  |  |

m130799

20

15/1/21

|            |           |    |     |      |          |   |   |     |
|------------|-----------|----|-----|------|----------|---|---|-----|
| MS21042L06 | Purchased | No | 150 | Each | 229.0000 | 2 | 2 | DAG |
| Nut        |           |    |     |      |          |   |   | 27  |

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
|-----------------|----------------|-----------------|

|         |     |  |
|---------|-----|--|
| ST314   | 229 |  |
| 124859  | 16  |  |
| m126474 | 27  |  |
| m127304 | 186 |  |

m129499

0

15/1/21

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------|------------------------------------|----------------------------------------------|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>                                                                                                                                                 | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>                                                                                                                                                 | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>                                                                                                                                                 | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>                                                                                                                                                 | Supplier <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                    |                                    |                                      |                                    |                                    |                                            |                                  |                                        |                                    |                                              |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|-----------------------------------------------------|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |                                                     |                   |                    |             |              |              |
| Doc/Data      |      |      |     |                                                     |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |                                                     |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |                                                     |                   |                    |             |              |              |
| Material      |      |      |     |                                                     |                   |                    |             |              |              |
| Operator      |      |      |     |                                                     |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |                                                     |                   |                    |             |              |              |
| Process       |      |      |     |                                                     |                   |                    |             |              |              |
| Supplier      |      |      |     |                                                     |                   |                    |             |              |              |
| Training      |      |      |     |                                                     |                   |                    |             |              |              |
| Transport     |      |      |     |                                                     |                   |                    |             |              |              |
| Unapproved    |      |      |     |                                                     |                   |                    |             |              |              |

### FAULT CATEGORY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**NOTES:**

1) MATERIALS:

RESIN: EPOCAST 50-A/9816,  
OR DERAKANE 470-36/411/510A40

FOAM: A500 CORE CELL,  
OR DIVINYCELL,  
OR AIREX,  
0.38 THICK (3/8 FOAM)

FIBRE: 9.7 oz 7781 WEAVE "S" GLASS (9 oz SATIN)  
5 oz PLAIN WEAVE KEVLAR (5 oz KEVLAR)

- 2) FINISH: INSIDE = PRIME PER DART QSI 005 4.2  
OUTSIDE = WHITE GELCOAT #GEL 944W005
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A
- 8) LAMINATE PER DART QSI 006.  
LAMINATION SCHEDULE PER THIS DRAWING.
- 9) PEEL PLY ALL SURFACES.

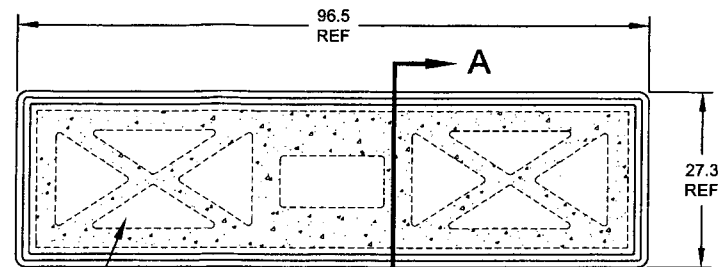
**RELEASED**  
2010-10-28

CL13112105  
WID: 109904

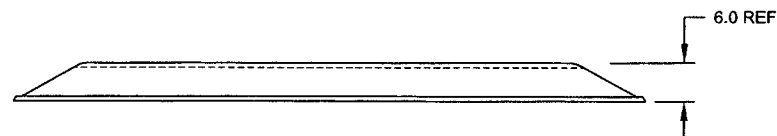
|            |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      |              |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| G          | REFORMAT DRAWING TO CURRENT STANDARDS;<br>D2202-101 WAS D2202-1 (ZN C5-2, A4-2); ADD 77.5 &<br>22.0 DIM. (ZN D4-3, C6-3); D2202-103 WAS D2202-5 (ZN<br>C5-3, A4-3); ADD 2.00 MAX (ZN D3-4); INCORPORATED<br>DEO 9217 & ADD D2202-5/6 ON SHEET 5 PER PAR<br>09-034 | RF                                                                                                                                                                                                                                                                   | 09.10.06     |
| F          | CHANGE LAYUP, DOUBLER, NOW DRILLED                                                                                                                                                                                                                                | CP                                                                                                                                                                                                                                                                   | 01.03.14     |
| E          | ADDED SECTIONS WITH LIP DIMS                                                                                                                                                                                                                                      | KE                                                                                                                                                                                                                                                                   | 99.11.11     |
| D          | MOVED DOUBLERS, REMOVED HOLES                                                                                                                                                                                                                                     | KE                                                                                                                                                                                                                                                                   | 98.11.09     |
| C          | REVISED DOUBLER/HOLES LOCATIONS                                                                                                                                                                                                                                   | KE                                                                                                                                                                                                                                                                   | 97.07.04     |
| B          | ADD DOUBLERS AND HOLES                                                                                                                                                                                                                                            | -                                                                                                                                                                                                                                                                    | 93.10.27     |
| A          | NEW ISSUE                                                                                                                                                                                                                                                         | -                                                                                                                                                                                                                                                                    | 93.10.27     |
| REV.       | DESCRIPTION                                                                                                                                                                                                                                                       | BY                                                                                                                                                                                                                                                                   | DATE         |
| DESIGN     | KE                                                                                                                                                                                                                                                                | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                             |              |
| DRAWN      | RF                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                      |              |
| CHECKED    | 97                                                                                                                                                                                                                                                                | DRAWING NO.                                                                                                                                                                                                                                                          | REV. G       |
| MFG. APPR. | JM                                                                                                                                                                                                                                                                | D2202                                                                                                                                                                                                                                                                | SHEET 1 OF 5 |
| APPROVED   | 10/11                                                                                                                                                                                                                                                             | TITLE                                                                                                                                                                                                                                                                | SCALE        |
| DE APPR.   | 10/11                                                                                                                                                                                                                                                             | UTILITY POD LID AND BASE                                                                                                                                                                                                                                             | NTS          |
| DATE       | 09.10.06                                                                                                                                                                                                                                                          | COPYRIGHT © 1993 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE LTD. |              |

SEE  
DETAIL B  
A6-2

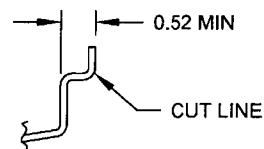
**SECTION A-A** C3-2



**G**  
D2202-101 FOAM CORE,  
MAKE FROM 3/8" FOAM, ROUTER PER DT8024



**D2202-1 LID**  
(MOLD DT8002)



**DETAIL B**  
SCALE 10X D6-2

**MAIN LAYUP**

9oz SATIN  
9oz SATIN  
50z KEVLAR  
D2202-101 FOAM CORE  
50z KEVLAR  
9oz SATIN



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|            |          |                                                                                                                                                                                                                                                                                        |              |
|------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | KE       | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                              |              |
| DRAWN      | RF       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                            |              |
| CHECKED    | JP       | DRAWING NO.                                                                                                                                                                                                                                                                            | REV. G       |
| MFG. APPR. | JM       | D2202                                                                                                                                                                                                                                                                                  | SHEET 2 OF 5 |
| APPROVED   | JP       | TITLE                                                                                                                                                                                                                                                                                  | SCALE        |
| DE APPR.   | JP       | UTILITY POD LID AND BASE                                                                                                                                                                                                                                                               | NTS          |
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SEE  
DETAIL D  
B7-3

**SECTION C-C** C4-3

ENSURE THIS  
EDGE IS STRAIGHT  
WITHIN 0.060"  
AFTER TRIMMING



D2202-103 FOAM CORE,  
MAKE FROM 3/8" FOAM, ROUTER PER DT8559

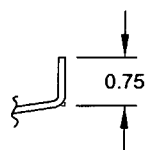


C

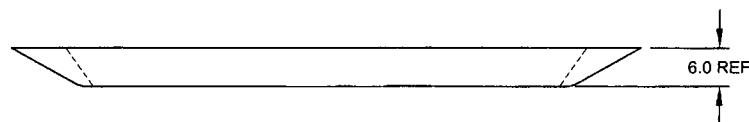
C7-3

M4-4  
DETAIL F,  
HOLE LOCATION

C4-4  
DETAIL E,  
DOUBLER INSTALLATION



**DETAIL D**  
SCALE 10X  
D7-3



**D2202-3 BASE**  
(MOLD DT8002)

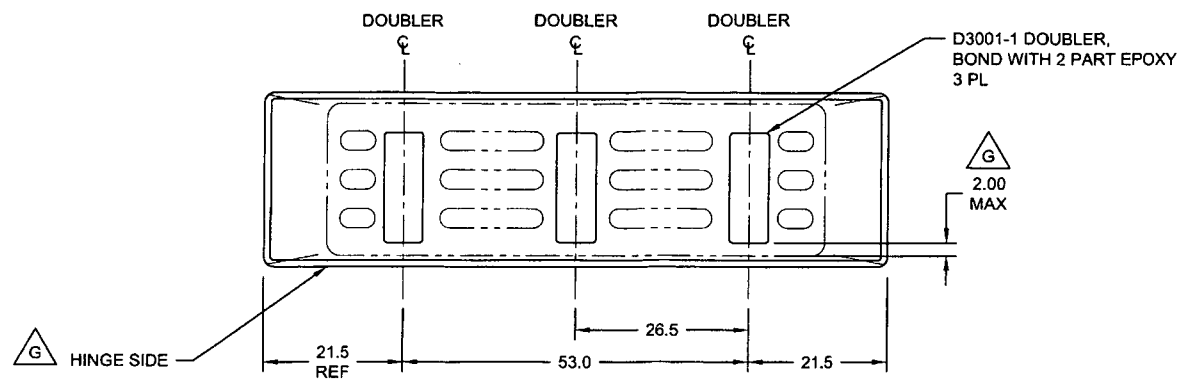
**MAIN LAYUP**

9oz SATIN  
9oz SATIN  
5oz KEVLAR  
D2202-103 FOAM CORE  
5oz KEVLAR  
5oz KEVLAR  
9oz SATIN

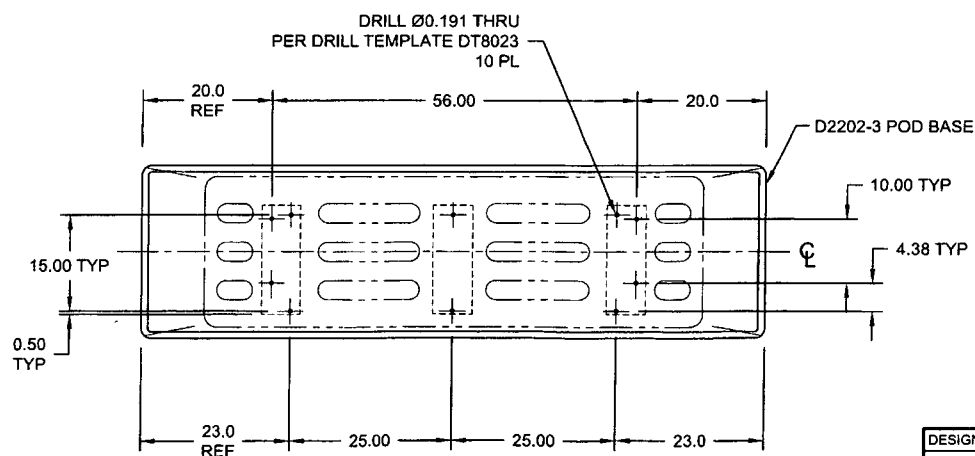


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2010-10-28

|            |          |                                                                                                                                                                                                                                                                                                  |              |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | KE       | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                         |              |
| DRAWN      | RF       |                                                                                                                                                                                                                                                                                                  |              |
| CHECKED    | 97       | DRAWING NO.                                                                                                                                                                                                                                                                                      | REV. G       |
| MFG. APPR. | JM       | D2202                                                                                                                                                                                                                                                                                            | SHEET 3 OF 5 |
| APPROVED   | 149      | TITLE                                                                                                                                                                                                                                                                                            | SCALE        |
| DE APPR.   | 14       | UTILITY POD LID AND BASE                                                                                                                                                                                                                                                                         | NTS          |
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**DETAIL E: INSTALLATION OF D3001-1 DOUBLERS** C3-3



**DETAIL F: HOLE DRILLING** C3-3  
(AFTER DOUBLER INSTALLATION)

**RELEASED**  
2010-10-28

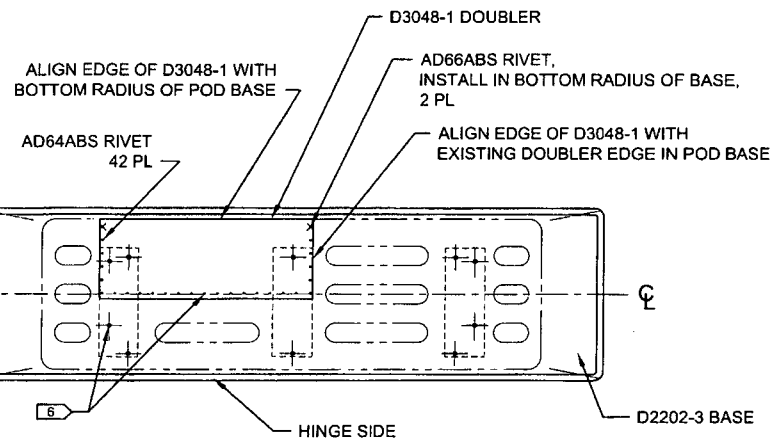
|            |          |                                                                                                                                                                                                                                                                                                  |              |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | KE       | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                                        |              |
| DRAWN      | RF       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                                      |              |
| CHECKED    | 97       | DRAWING NO.                                                                                                                                                                                                                                                                                      | REV. G       |
| MFG. APPR. | JM       | D2202                                                                                                                                                                                                                                                                                            | SHEET 4 OF 5 |
| APPROVED   | 19       | TITLE                                                                                                                                                                                                                                                                                            | SCALE        |
| DE APPR.   | 11       | UTILITY POD LID AND BASE                                                                                                                                                                                                                                                                         | NTS          |
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**NOTES : TO MAKE A D2202-5/6 BASE (FOR D3048-1 DOUBLER WILL BE INSTALLED)**

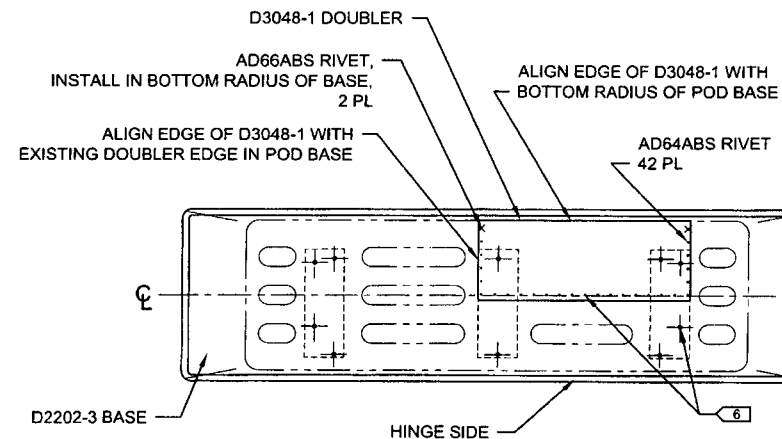
- 1) REMOVE FOAM IN AREA OF POD BASE WHERE D3048-1 DOUBLER WILL BE INSTALLED
- 2) FILL GAPS WITH 9oz SATIN AND RESIN PER DWG (APPROX. 3-4 LAYERS)
- 3) 2 LAYERS OF 9oz SATIN
- 4) BOND D3048-1 DOUBLER IN ORIENTATION SHOWN AND LET CURE
- 5) TRANSFER Ø0.125 HOLES FROM D3048-1 TO POD BASE. INSTALL DOUBLER WITH AD64ABS RIVETS (42) AND AD66ABS (2)
- 6) TRANSFER Ø0.191 HOLES FROM POD BASE TO D3048-1. SEAL HOLES WITH CYANOACRYLATE GLUE
- 7) TOUCH UP AFFECTED AREA WITH GREY PRIMER PER DWG
- 8) FILL CENTER OF THE AD RIVETS WITH RTV 732 TO SEAL

**PART LIST:**

| QTY -5 | QTY -6 | PART NUMBER | DESCRIPTION |
|--------|--------|-------------|-------------|
| X      |        | D2202-5     | POD BASE    |
|        | X      | D2202-6     | POD BASE    |
| 1      | 1      | D2202-3     | BASE        |
| 1      | 1      | D3048-1     | DOUBLER     |
| 42     | 42     | AD64ABS     | RIVET       |
| 2      | 2      | AD66ABS     | RIVET       |
| A/R    | A/R    | RTV         | SEALANT     |



**D2202-5 BASE: D3048-1 DOUBLER INSTALLATION**  
(MAKE FROM D2202-3 BASE)



**D2202-6 BASE: D3048-1 DOUBLER INSTALLATION**  
(MAKE FROM D2202-3 BASE)

|            |          |                                                                                                                                                                                                                                                                |              |
|------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | KE       | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                      |              |
| DRAWN      | RF       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                    |              |
| CHECKED    | JP       | DRAWING NO.                                                                                                                                                                                                                                                    | REV. G       |
| MFG. APPR. | JM       | D2202                                                                                                                                                                                                                                                          | SHEET 5 OF 5 |
| APPROVED   | JP       | TITLE                                                                                                                                                                                                                                                          | SCALE        |
| DE APPR.   | JP       | UTILITY POD LID AND BASE                                                                                                                                                                                                                                       | NTS          |
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R 2010-10-28

| Qty | Part Number | Description          |
|-----|-------------|----------------------|
| X   | D2694       | UTILITY POD ASSEMBLY |
| 1   | D2202-1     | POD LID              |
| 1   | D2202-3     | POD BASE             |
| 5   | D2204-9     | LATCH                |
| 1   | D2429-041   | SPRING CLIP ASSEMBLY |
| 1   | D2461-1700  | NEOPRENE SEAL        |
| 5   | D2528-1     | BACKER PLATE         |
| 4   | D2528-3     | BACKER PLATE         |
| 1   | D2569       | HINGE                |
| 1   | D3007-041   | PROP ASSEMBLY        |
| 19  | AN4-5A      | BOLT                 |
| 1   | AN4-6A      | BOLT                 |
| 2   | AN526C632R7 | SCREW                |
| 21  | AN960JD416  | WASHER               |
| 2   | AN960JD6    | WASHER               |
| 2   | MS21042L06  | NUT (OR MS21042-06)  |
| 20  | MS21042L4   | NUT (OR MS21042-4)   |
| 38  | AD62ABS     | RIVET                |

# **GENERAL NOTES:**

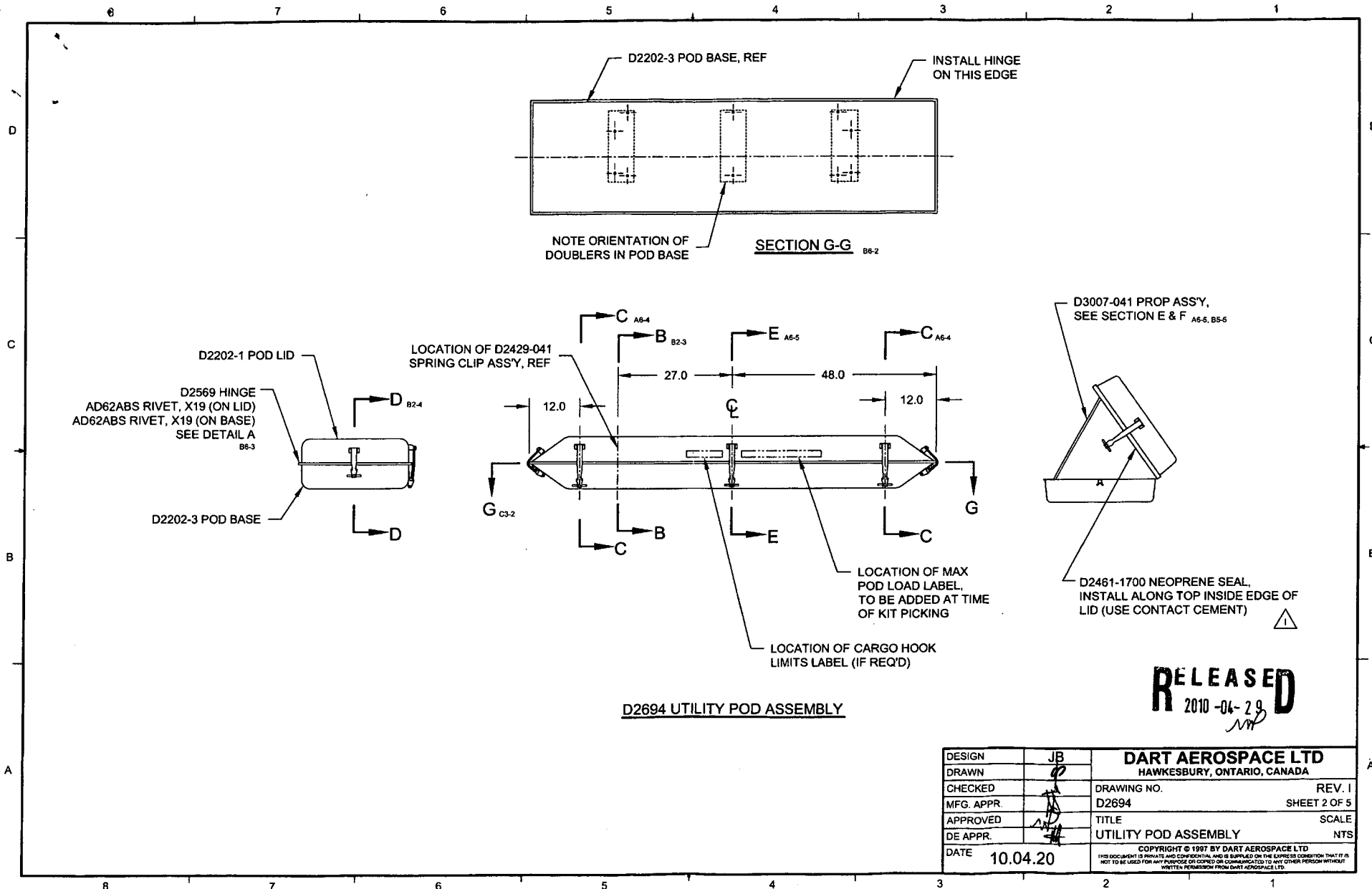
- 1) MATERIAL: N/A
- 2) FINISH: PRIME AND PAINT PER QSI 005 4.2 TO MATCH ORIGINAL FINISH  
AS REQ'D TO TOUCH UP FINISH AFTER DRILLING OR ASSEMBLY  
INSIDE: DUPONT HIGHBUILD PRIMER GREY 1144-S  
OR DUPONT 2K-URETHANE PRIMER GREY 7704-S  
OUTSIDE: DUPONT IMRON POLYURETHANE ENAMEL BASE WHITE (555U)
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 48.5 lbs
- 8) TRANSFER DRILL UNSPECIFIED HOLES FROM ATTACHING PART AS FOLLOWS: AN526C632 → DRILL Ø0.141  
AN4 → DRILL Ø0.257
- 9) SEAL ALL HOLES AND EDGES OF POD WITH CYANOACRYLATE GLUE
- 10) FOR D2569 HINGE:
  - (i) INSTALL RIVET HEADS FROM OUTSIDE OF POD
  - (ii) GRIND TRAILING EDGE OF RIVET TO PERMIT HINGE TO CLOSE
  - (iii) ENSURE ALL RIVET HOLES ARE DRILLED ON THE LARGER HINGE TABS AS SHOWN IN DETAIL A

0213112105  
W10.109904

**RELEASED**  
2010-04-29

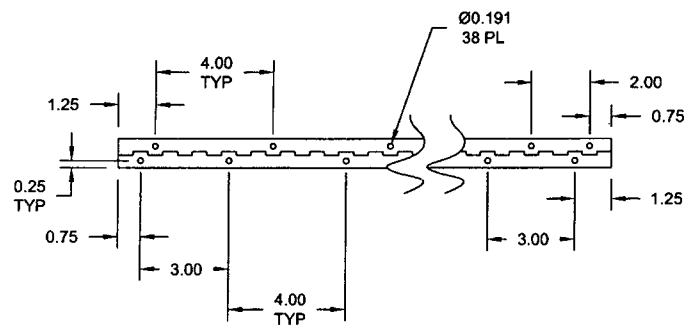
|            |                                                                                                                   |                                                                                                                                                                                                                                                                                         |              |
|------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| I          | REFORMAT, D2204-9 LOC SPEC'D (B2-4,B6-4,C2-4,C6-4, B6-5,C6-5), D2461-X WAS D2462-X (D5-1,B1-2), ADD FINISH (B5-1) | CP                                                                                                                                                                                                                                                                                      | 10.04.20     |
| H          | CHANGED RIVETS FROM AD64ABS TO AD62ABS (PAR#185)                                                                  | DC                                                                                                                                                                                                                                                                                      | 07.07.18     |
| G          | REVERT BACK TO D2204-9 LATCH                                                                                      | CP                                                                                                                                                                                                                                                                                      | 01.05.08     |
| F          | REDESIGN, CHANGE LATCHES & PROP                                                                                   | CP                                                                                                                                                                                                                                                                                      | 01.03.20     |
| E          | CHANGE DIMENSIONS                                                                                                 | RF                                                                                                                                                                                                                                                                                      | 99.12.20     |
| D          | SEAL & HINGE CHANGE (TSR A1047 & A855/A858); INCLUDED DE09119                                                     | CP                                                                                                                                                                                                                                                                                      | 99.01.08     |
| C          | ADD DOUBLER HOLES, REMOVE FINISH                                                                                  | KE                                                                                                                                                                                                                                                                                      | 98.11.12     |
| B          | CHANGE RIVET PATTERN, ADD D2429                                                                                   | KE                                                                                                                                                                                                                                                                                      | 97.10.08     |
| A          | NEW ISSUE CREATED TO REPLACE D350-602-041 AND -043                                                                | KE                                                                                                                                                                                                                                                                                      | 97.07.02     |
| REV.       | DESCRIPTION                                                                                                       | BY                                                                                                                                                                                                                                                                                      | DATE         |
| DESIGN     | JB                                                                                                                | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                |              |
| DRAWN      | JP                                                                                                                |                                                                                                                                                                                                                                                                                         |              |
| CHECKED    |                                                                                                                   | DRAWING NO.                                                                                                                                                                                                                                                                             | REV. I       |
| MFG. APPR. |                                                                                                                   | D2694                                                                                                                                                                                                                                                                                   | SHEET 1 OF 5 |
| APPROVED   |                                                                                                                   | TITLE                                                                                                                                                                                                                                                                                   | SCALE        |
| DE APPR.   |                                                                                                                   | UTILITY POD ASSEMBLY                                                                                                                                                                                                                                                                    | NTS          |
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**RELEASED**  
2010-04-29  
NH

|            |          |                                                                                                                                                                                                                                                                                |              |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | JB       | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                      |              |
| DRAWN      | JP       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                    |              |
| CHECKED    | JP       | DRAWING NO.                                                                                                                                                                                                                                                                    | REV. 1       |
| MFG. APPR. | JP       | D2694                                                                                                                                                                                                                                                                          | SHEET 2 OF 5 |
| APPROVED   | JP       | TITLE                                                                                                                                                                                                                                                                          | SCALE        |
| DE APPR.   | JP       | UTILITY POD ASSEMBLY                                                                                                                                                                                                                                                           | NTS          |
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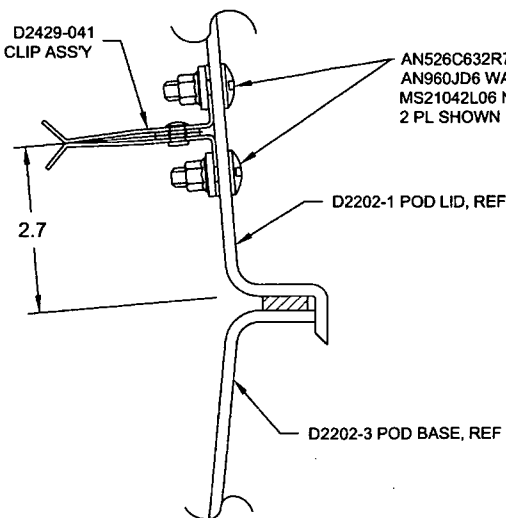
DETAIL A: HINGE  
NOT TO SCALE

10  
C7-2

D2429-041  
SPRING CLIP ASS'Y

AN526C632R7 SCREW  
AN960JD6 WASHER  
MS21042L06 NUT,  
2 PL SHOWN

8

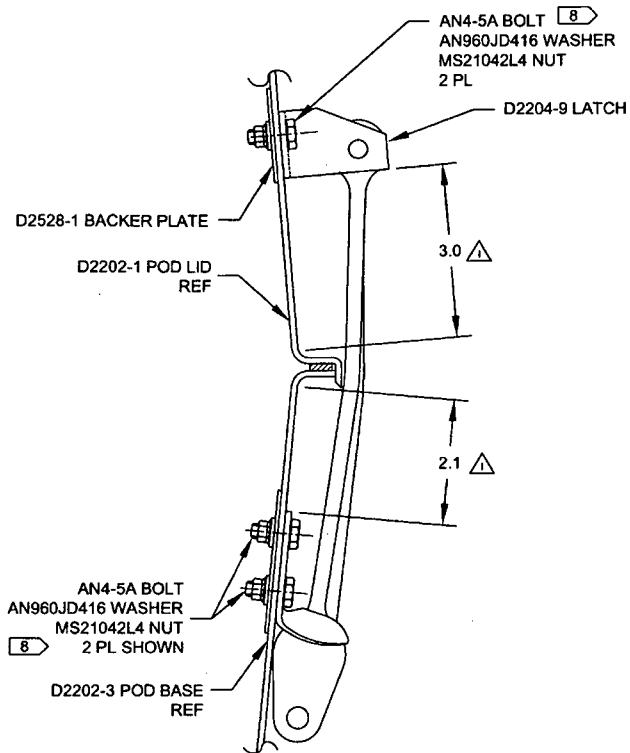


SECTION B-B  
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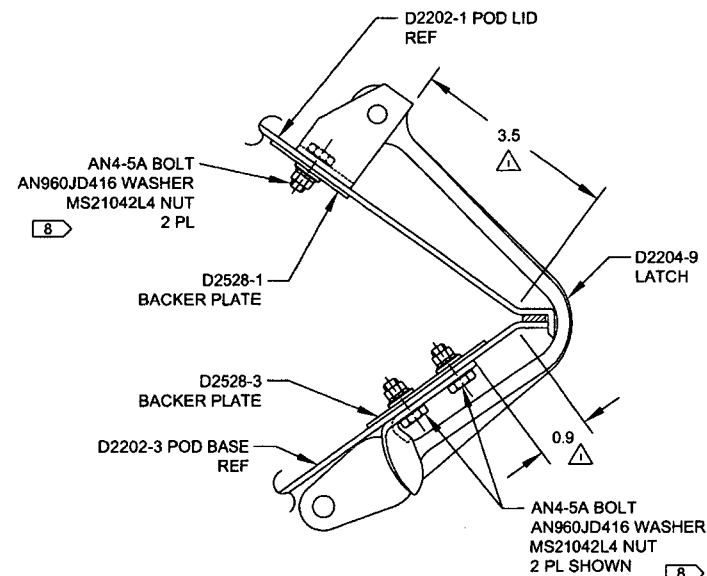
C9-2

**RELEASED**  
2010-04-29  
*MD*

|            |           |                                                                                                                                                                                                                                                                                          |              |
|------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | JB        | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                                |              |
| DRAWN      | <i>JP</i> | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                              |              |
| CHECKED    | <i>JS</i> | DRAWING NO.                                                                                                                                                                                                                                                                              | REV. I       |
| MFG. APPR. | <i>JS</i> | D2694                                                                                                                                                                                                                                                                                    | SHEET 3 OF 5 |
| APPROVED   | <i>JS</i> | TITLE                                                                                                                                                                                                                                                                                    | SCALE        |
| DE APPR.   | <i>JS</i> | UTILITY POD ASSEMBLY                                                                                                                                                                                                                                                                     | NTS          |
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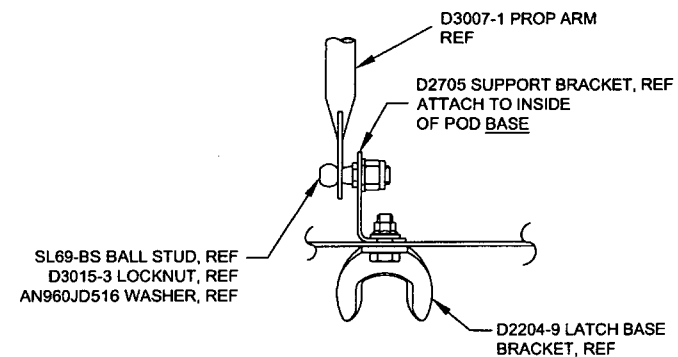
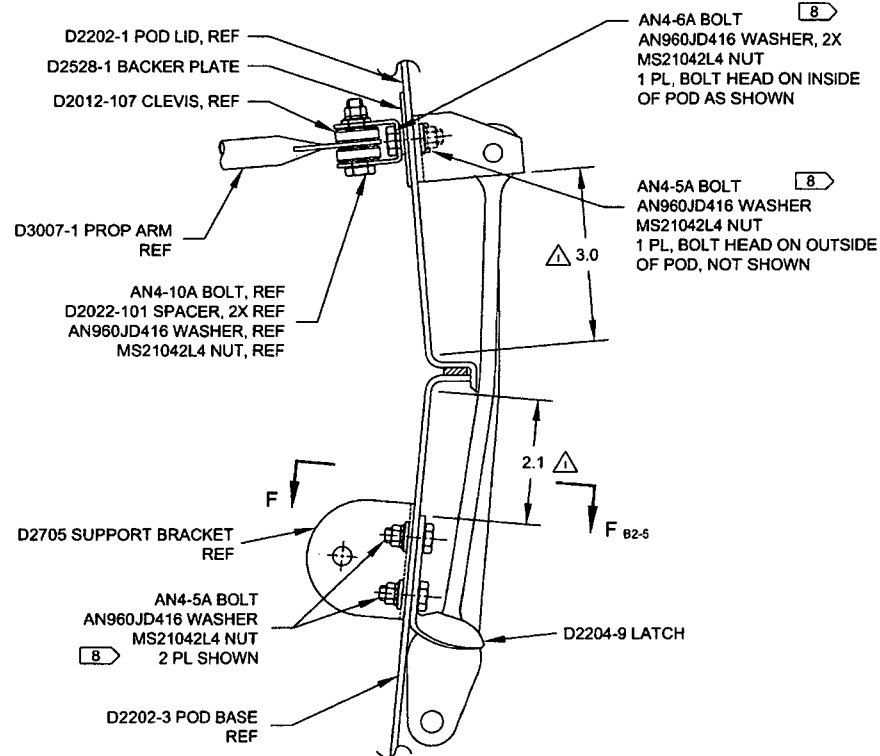
SECTION C-C C3-2, C5-2  
SCALE 10X



SECTION D-D C6-2  
SCALE 10X

**RELEASED**  
2010-04-29  
MP

|            |          |                                                                                                                                                                                                                                |                     |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| DESIGN     | JB       | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                      |                     |
| DRAWN      | JP       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                    |                     |
| CHECKED    | JS       | DRAWING NO. D2694                                                                                                                                                                                                              | REV. 1 SHEET 4 OF 5 |
| MFG. APPR. | WJ       | TITLE                                                                                                                                                                                                                          | SCALE               |
| APPROVED   | WJ       | UTILITY POD ASSEMBLY                                                                                                                                                                                                           | NTS                 |
| DE APPR.   | WJ       | COPYRIGHT © 1997 BY DART AEROSPACE LTD                                                                                                                                                                                         |                     |
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**RELEASED**  
2010-04-28  
MP

|            |          |                                                                                                                                                                                                                                                                                                  |              |
|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | JB       | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                                        |              |
| DRAWN      | JP       | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                                      |              |
| CHECKED    | JA       | DRAWING NO.                                                                                                                                                                                                                                                                                      | REV. 1       |
| MFG. APPR. | MP       | D2694                                                                                                                                                                                                                                                                                            | SHEET 5 OF 5 |
| APPROVED   | MP       | TITLE                                                                                                                                                                                                                                                                                            | SCALE        |
| DE APPR.   | MP       | UTILITY POD ASSEMBLY                                                                                                                                                                                                                                                                             | NTS          |
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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22308**

Purchase Order Date 12/5/2013

PO Print Date 12/6/2013

Page Number 1 of 1

Order From :  
DELASTEK INC  
2699 5E AVENUE, LOCAL C.P 10100  
  
GRAND-MERE, QC G9T 5K7  
CA

VU-DEL003

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED \$*

|                 |                  |                |                      |
|-----------------|------------------|----------------|----------------------|
| Contact Name    |                  | Buyer          | Chantal Lavoie       |
| Vendor Phone    | 819 533 5788     | Customer POID  |                      |
|                 |                  | Customer Tax # | 10127-2607           |
| Ship To Contact |                  | Terms          | Net 30               |
| Ship To Phone   |                  | Currency       | USD                  |
| Ship Via:       | FedEx PI collect | FOB            | FCA - (Free Carrier) |
| Ship Acct:      |                  |                |                      |

| Line Nbr    | Reference<br>Vendor Part Number<br>Line Comments<br>Delivery Comments | Description/<br>Mfg ID | Req Date/<br>Taxable<br>Promise Date | CD | Req Qty/<br>Unit of<br>Measure | PO Unit Price | Extended<br>Price |
|-------------|-----------------------------------------------------------------------|------------------------|--------------------------------------|----|--------------------------------|---------------|-------------------|
| 1           | D2202-1P<br><br>AS PER DWG D2202 REV. G<br>B109904                    | Side Pod Lid, 350      | 1/24/2014<br>Yes<br>1/24/2014        |    | 1.00<br>Each                   | \$2,890.60    | \$2,890.60        |
| Line Total: |                                                                       |                        |                                      |    |                                |               | \$2,890.60        |
| 2           | D2202-3P<br><br>AS PER DWG D2202 REV. G<br>B109904                    | Side Pod Base, 350     | 1/24/2014<br>Yes<br>1/24/2014        |    | 1.00<br>Each                   | \$2,890.60    | \$2,890.60        |
| Line Total: |                                                                       |                        |                                      |    |                                |               | \$2,890.60        |
| PO Total:   |                                                                       |                        |                                      |    |                                |               | \$5,781.20        |

*CZ mg*

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.  
No substitution or deviation without consent.  
Certificate of Conformity or Material Certification required ☒ YES ☐ NO  
PST# 6122-5207

Change Nbr:

2

Change Date: 12/6/2013



DELASTEK Inc.  
2699 5e Avenue  
Local 14,  
Grand-Mère, Québec G9T 2P7  
Canada  
Tel.: (819) 533-5788  
Fax: (819) 533-3494

# PACKING SLIP CERTIFICATE OF COMPLIANCE

|              |         |
|--------------|---------|
| Invoice No.  | 50301   |
| Customer No. | DART US |

## Bill To

DART AEROSPACE LTD  
1270, Aberdeen Street  
Hawksbury, Ontario K6A 1K7  
Canada

Telephone : 613-632-5200  
Contact : Linda Lacelle

## Ship To

DART AEROSPACE LTD  
1270, Aberdeen Street  
Hawksbury, Ontario K6A 1K7  
Canada

Telephone : 613-632-5200  
Contact : Linda Lacelle

| Ship Date        | Order Date      | Our SO #                | Ordered by     | Your PO#                                                                            | Terms               |
|------------------|-----------------|-------------------------|----------------|-------------------------------------------------------------------------------------|---------------------|
| 20-01-2014       | 06-12-2013      | 24140                   | Chantal Lavoie | 22308                                                                               | Net 30 days USA     |
| Ship Via         | F.O.B.          | Salesperson             | GST/PST        |                                                                                     |                     |
| FEDEX P1 Collect | Point de départ | MP MONTAMBEAULT ext 235 |                |                                                                                     |                     |
| Order Qty        | B.O. Qty        | Current Ship.           | Item number    | Description                                                                         |                     |
| 1                | 0               | 1                       | DKC134-0073    | Line 1 D2202-1 Side Pod Lid<br>Référence DKA362-0015<br>DWG: REV. G<br>Lot # 58201  | U of M: Chaque<br>1 |
| 1                | 0               | 1                       | DKC134-0074    | Line 2 D2202-3 Side Pod Base<br>Référence DKA362-0016<br>DWG: REV. G<br>Lot # 58202 | U of M: Chaque<br>1 |

*It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications. All such records are on file at our plant and available for review upon request.*

Accepted by

Quality department

AQ-357

☐ Cust. ☐ Adm. ☐ Quality ☐ Ship.

Feuille de Procédé

Client : DART US DART AEROSPACE  
Numéro Job : 58202  
Numéro : 4346  
Numéro B.A. :  
Cette fois : 2013-12-09 No. :  
Prsht Rev. : NC  
Prem. fois :  
Job précédente : 55565 Type :  
Écrit par :  
Vérifié & Approuvé par :  
Commentaires : N° de Pièce Client: D2202-3

Nom Dessin : UTILITY POD BASE  
Numéro Article : DKC134-0074  
Numéro Dessin : D2202  
Projet Numéro : DK-362  
Révision dessin : G  
Matériel : Resine Darakane 470-36/411/510  
Date Dûe : 2013-12-16 Qté: 1 Ud UNITE



Process Sheet Rév.: 02 changer l'araldite 2043 pour le  
2012, AAC1885 était AC0883, AAC1887 était AC0884.

Produit additionnel

Numéro Job:



# Séq.: Machine ou

1.0 AAC1616 Description :  
N° 83634, Frekote Loctite Wolo

Comment Qty.: 0.030 UNITE(s)/Unit Total : 0.030 UNITE(s)  
N° 83634, Frekote Loctite Wolo

# de Lot: 1-42289-1

2.0 PRÉPARATION

Préparation du moule



Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire la préparation du moule N° DT8002 selon IG 0009.

Date: 9/12/13 Sceau:



4499 DB

3.0 AMB0350

Gel Coat Blanc N° Gel 944W005

Comment Qty.: 0.125 UNITE(s)/Unit Total : 0.125 UNITE(s)  
Gel Coat Blanc N° Gel 944W005

N° de Lot: 1-43047-1

4.0 AMB0286

Catalyst N° DDM-9

Comment Qty.: 0.0095 GALLON(s)/Unit Total : 0.0095 GALLON(s)  
Catalyst N° DDM-9

N° de Lot: 1-27829-1

5.0 PREP-GENERAL

Préparation du matériel



Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire la préparation de la résine selon les quantités requises, mix ratio 1.5% de catalyst  
par quantité de résine

Date: 9/12/13 Sceau:



4499 DB

# Feuille de Procédé

Client: DART US DART AEROSPACE  
 Numéro Job: 58202

Nom Dessin: UTILITY POD BASE  
 Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

6.0

GEL COAT

Application du Gel Coat



Comment Setup: 0.00Hrs/ Run: 20.0000Min Total Run : 0.3333Hrs

Faire l'application du gel coat selon IG 0019.

Date: 9/12/13 Sceau:



4499 D.B

7.0

AMB0214

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

Comment Qty.: 9.90 VERGE(s)/Unit Total : 9.90 VERGE(s)

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

N° de Lot: 1-43410-1

8.0

AAC1608

5oz plain weave Kevlar 50" wide roll

Comment Qty.: 9.90 VERGE(s)/Unit Total : 9.90 VERGE(s)

5oz plain weave Kevlar 50" wide roll

N° de Lot: 1-42765-1

9.0

AAC1885

Tissu à délaminer Release ply B

Comment Qty.: 9.16 VERGE(s)/Unit Total : 9.16 VERGE(s)

Tissu à délaminer Release ply B

# de Lot: N/A

10.0

AAC1887

Wrightlon 5200 Bleu P3

Comment Qty.: 14.95 VERGE(s)/Unit Total : 14.95 VERGE(s)

Wrightlon 5200 Bleu P3

# de Lot: N/A

11.0

AC0885

Feutre de drainage N° Airweave N 10

Comment Qty.: 12.50 VERGE(s)/Unit Total : 12.50 VERGE(s)

12.0 AC0943

Stretchlon 200 poche à vide Vert

Comment Qty.: 42.63 VERGE(s)/Unit Total : 42.63 VERGE(s)

13.0 AC0886

Ruban à gommer jaune #: T/AT-200Y

Comment Qty.: 3.0000 ROULEAU(s)/Unit Total : 3.0000 ROULEAU(s)

14.0 TAILLAGE

Faire le taillage du matériel



Comment Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Faire le taillage du matériel selon les Dimensions requises:

Un morceau pour recouvrir le fond du moule N° DT8002.

Deux morceaux pour couvrir les extrémités du moule N° DT8002.

Deux morceaux pour recouvrir les cotés du moule N° DT8002.

Faire cette opération pour les trois plis de 9 oz ainsi que pour les trois plis de 5 oz de Kevlar.

Tailler le matériel nécessaire pour la poche à vide ( Faire 3 kits car il y aura trois baggings différents lors de la fabrication de cette pièce):



# Feuille de Procédé

Client: DART US DART AEROSPACE  
 Numéro Job: 58202

Nom Dessin: UTILITY POD BASE

Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

Peel Ply  
 Feutre de drainage 6mm  
 Stretchlon 200  
 5200 Wrightlon

Coller une bande de ruban jaune tout le tour du Stretchlon 200, plier les différentes composantes des poches à vide et entreposer en attente des opérations de bagging.

Date: 9-12-13 Sceau: 4499 D.B.

15.0 AMB0212

Résine (411B7530) 411-350 promo. 75min.

Comment Qty.: 2.500 LITRE(s)/Unit Total: 2.500 LITRE(s)

Résine (411B7530) 411-350 promo. 75min. N° de Lot: 1-43767-1

16.0 AMB0286

Catalyst N° DDM-9

Comment Qty.: 0.0845 GALLON(s)/Unit Total: 0.0845 GALLON(s)

Catalyst N° DDM-9 N° de Lot: 1-27827-1

17.0 PREP-GENERAL

Préparation du matériel



Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run: 0.2500Hrs

Mélanger la quantité de résine désirée pour le laminage des trois premier plis du Pod Lid :  
 1.5% de catalyst DDM-9 par quantité de résine Derakane 411-350 Promoté 75 Min.

Date: 10-12-13 Sceau:

18.0 LAMINAGE

Faire le laminage



Comment Setup: 0.00Hrs/ Run: 60.0000Min Total Run: 1.0000Hrs

Faire le laminage des trois premiers plis de tissu ( 2 plis de 9 oz et 1 pli de 5 oz Kevlar ) de la façon suivante:

Recouvrir toute la surface du moule N° DT8002 à l'aide de de résine Derakane 411-350 Promoté 75 Minutes, ensuite venir laminer un pli de 9 oz dans le fond du moule, suivre avec les deux extrémités et terminer avec les deux cotés. ( Ajouter de la résine au besoin )

Recommencer pour les deux autres plis. ( un pli de 9 oz et un pli de 5 oz Kevlar )

Date: 10/12/13 Sceau: 4499 D.B.



# Feuille de Procédé

Client: DART US DART AEROSPACE

Nom Dessin: UTILITY POD BASE

Numéro Job: 58202

Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

19.0

BAGGING

Faire le bagging sur la pièce



Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire la poche à vide selon IG 0012

Laisser sécher pendant 4 heures minimum.

Heure début curing: 12:20 Heure fin curing: 8:00

Date: 10/12/13 Sceau: 4499 D.B.



20.0

AMB0212

Résine (411B7530) 411-350 promo. 75min.

Comment Qty.: 0.400 LITRE(s)/Unit Total : 0.400 LITRE(s)

Résine (411B7530) 411-350 promo. 75min N° de Lot: 1-43767-1

21.0

AMB0286

Catalyst N° DDM-9

Comment Qty.: 0.0135 GALLON(s)/Unit Total : 0.0135 GALLON(s)

Catalyst N° DDM-9 N° de Lot: 1-2829-1

22.0

PREP-GENERAL

Préparation du matériel



Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Faire un mélange de résine Derakane 411-350 Promoté 15 à 18 Minutes 1.5% de catalyst DDM-9 par quantité de résine.

Date: 18-12-13 Sceau:



23.0

DKC134-0021

D2202-103 Foam Core ( Utility pod Base )

Comment Qty.: 1 UNITE(s)/Unit Total : 1 UNITE(s)

D2202-103 Foam Core ( Utility pod Base ) N° de Job: 58508

24.0

ASSEMBLAGE

Assemblage mécanique



Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Sceller le foam core selon IG 0105.

Date: 18-12-13 Sceau:



4499 D.B.

25.0

AAC1611

Polybond B46F

Comment Qty.: 0.150 KIT(s)/Unit Total : 0.150 KIT(s)

Polybond B46F N° de Lot: 1-40597-1

# Feuille de Procédé

Client: DART US DART AEROSPACE

Numéro Job: 58202

Nom Dessin: UTILITY POD BASE

Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

26.0

ASSEMBLAGE

Assemblage mécanique



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire l'assemblage du Foam Core N° DKC134-0022 à l'aide du polybond 46F selon IG 0033

Date: 19/12/13 Sceau:



4499 D.B.

27.0

BAGGING

Faire le bagging sur la pièce



Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire la poche à vide selon IG 0012.

Retirer le bagging avant la fin de la polymérisation (entre 1h et 1h30) afin d'enlever le surplus de Polybond.

Heure début Curing: 12:25

Heure Fin Curing: 1:50

Date: 19/12/13 Sceau:



4499 D.B.

28.0

AMB0212

Résine (411B7530) 411-350 promo. 75min.

Comment Qty.: 2.500 LITRE(s)/Unit Total : 2.500 LITRE(s)

Résine (411B7530) 411-350 promo. 75min.

N° de Lot: 1-43769-1

29.0

AMB0286

Catalyst N° DDM-9

Comment Qty.: 0.0845 GALLON(s)/Unit Total : 0.0845 GALLON(s)

Catalyst N° DDM-9

N° de Lot: 1-27829-1

30.0

PREP-GENERAL

Préparation du matériel



Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Mélanger la quantité de résine désirée pour le laminage des deux derniers plis du Pod  
Base: 1.5% de catalyst DDM-9 par quantité de résine Derakane 411-350 Promoté 75 minutes.

Date: 20/12/13 Sceau:



4499 D.B.

31.0

LAMINAGE

Faire le laminage



Comment Setup: 0.00Hrs/ Run: 60.0000Min Total Run : 1.0000Hrs

Faire le laminage des trois derniers plis de tissu ( 2 plis de 5 oz Kevlar et 1 pli de 9 oz)  
de la façon suivante:

# Feuille de Procédé

Client: DART US DART AEROSPACE  
 Numéro Job: 58202

Nom Dessin: UTILITY POD BASE  
 Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

Recouvrir toute la surface du moule N° DT8002 à l'aide de de résine Derakane 411-350  
 Promoté 75 minutes, ensuite venir laminer un pli de 5 oz Kevlar dans le fond du moule,  
 suivre avec les deux extrémités et terminer avec les deux cotés. ( Ajouter de la résine au  
 besoin )

Recommencer pour les deux autres plis. ( un pli de 5 oz Kevlar et un pli de 9 oz )

Date: 20/12/13 Sceau:



4499 D.B

32.0

BAGGING

Faire le bagging sur la pièce



Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire la poche à vide sur le moule N° DT8002, selon IG 0012.

Laisser sécher 4 heures minimum.

Heure début Curing: 10:30

Heure Fin Curing: 8:00

Date: 20/12/13 Sceau:



4499 D.B

33.0

DÉMOULAGE

Démoulage de la pièce



Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire le démoulage du Utility Pod Base en faisant bien attention de ne pas endommager  
 la pièce.

Autocontrôle de la qualité du laminage en frappant légèrement sur toute la surface du Pod  
 à l'aide du manche d'un tournevis.

Date: 06-01-14 Sceau:



34.0

AAC1492

N° P-15-3, Adtech Micro Ultra Filler

Comment Qty.: 0.060 GALLON(s)/Unit Total : 0.060 GALLON(s)  
 N° P-15-3, Adtech Micro Ultra Filler # de Lot:

43091-1

35.0

FINITION

Finition Générale



Comment Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Sabler légèrement toute la surface intérieur du pod à l'aide de papier sablé grit 120.

Vérifier la surface intérieur du pod et injecter à l'aide d'une seringue munit d'une aiguille  
 de la résine au endroit où il y a des bulles d'air.

# Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58202

Nom Dessin: UTILITY POD BASE  
Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

Corriger les imperfections de surface à l'aide du "Filler" P15-3 selon IG 0043.

Laisser sécher jusqu'au lendemain

Date: 07-01-14 Sceau:



36.0

TRIMAGE

Trimage



Comment Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Faire le trimage du Pod Base selon le dessin Page 2 de 4 Détail B.

Date: 6/01/14 Sceau:



37.0

AAC1615

D3001-1 Doubler ( Pod Base D2002-3)

Comment Qty.: 3 UNITE(s)/Unit Total : 3 UNITE(s)

D3001-1 Doubler ( Pod Base D2002-3)

N° de Lot:

1-43997-1

38.0

AAC0102

Colle Araldite N° 2012 (50ml)

Comment Qty.: 0.50 UNITE(s)/Unit Total : 0.50 UNITE(s)

Colle Araldite N° 2012 (50ml)

N° de Lot:

1-43407-2

39.0

ASSEMBLAGE

Assemblage mécanique



Comment Setup: 0.00Hrs/ Run: 20.0000Min Total Run : 0.3333Hrs

À l'aide de l'adhésif Araldite 2012 coller les trois doubler N° D3001-1 selon le dessin & selon IG 0058.

Venir faire trois petite poche à vide localisées sur les trois doubliers ( Stretchlon 200 seulement pas besoin de perforé, ni de airweave, ni de feutre de drainage, ni de peel ply. )

Date: 6/01/14 Sceau:



40.0

AAC0102

Colle Araldite N° 2012 (50ml)

Comment Qty.: 0.50 UNITE(s)/Unit Total : 0.50 UNITE(s)

Colle Araldite N° 2012 (50ml)

N° de Lot:

1-43407-2

41.0

FINITION

Finition Générale



Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Retirer les trois poches à vide et faire un joint tout autour des trois doubliers à l'aide d'Araldite 2012 et laisser sécher jusqu'au lendemain.

Date: 6/01/14 Sceau:



# Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58202

Nom Dessin: UTILITY POD BASE  
Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

42.0

AAC1021

Dupont Primer N° 7704S

Comment

Qty.: 0.4333 UNITE(s)/Unit Total : 0.4333 UNITE(s)

Dupont Primer N° 7704S

N° de Lot: 1-43946-3

43.0

AAC1101

N° 7775S, Dupont Activator - Reducer Chromabase

Comment

Qty.: 0.0283 UNITE(s)/Unit Total : 0.0283 UNITE(s)

N° 7775S, Dupont Activator - Reducer Chromabase

N° de Lot: 2-40909-1

44.0

PRIMER

Application primer



Comment

Setup: 0.00Hrs/ Run: 75.0000Min Total Run : 1.2500Hrs

Préparer et appliquer un couche de primer gris N° 7704S selon IG 0008.

Date: 8/01/14

Sceau:



N° fiche de Mélange: 6530

45.0

FINITION

Finition Générale



Comment

Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire le sablage du primer batisseur selon IG 0008.

Date: 9/01/14

Sceau:



46.0

AAC1021

Dupont Primer N° 7704S

Comment

Qty.: 0.2217 UNITE(s)/Unit Total : 0.2217 UNITE(s)

Dupont Primer N° 7704S

N° de Lot: 1-43946-3

47.0

AAC1101

N° 7775S, Dupont Activator - Reducer Chromabase

Comment

Qty.: 0.0283 UNITE(s)/Unit Total : 0.0283 UNITE(s)

N° 7775S, Dupont Activator - Reducer Chromabase

N° de Lot: 2-40909-1

48.0

PRIMER

Application primer



Comment

Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Préparer et appliquer un couche de primer gris N° 7704S selon IG 0008.

Date: 13/01/14

Sceau:



N° fiche de Mélange: 6533

49.0

INSPEC FINAL

Inspection finale



Comment

Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'inspection dimensionnelle et visuelle de la pièce selon le dessin.

Date: 17 Jan 14

Sceau:



# Feuille de Procédé

Client: DART US DART AEROSPACE

Numéro Job: 58202

Nom Dessin: UTILITY POD BASE

Numéro DKC134-0074

Numéro Job:



# Séq.:

Machine ou Opération:

Description :

50.0

EMBAL / ENTREPO

Emballage & Entreposage



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Emballer et entreposer selon IG 0057

Date: JAN 20 2014

Scéau:



Date: Lundi, 2013-12-09 07:21:38  
 Utilisateur: marc dubé

## Feuille de Procédé

|                                   |                               |                        |                                  |
|-----------------------------------|-------------------------------|------------------------|----------------------------------|
| <b>Client</b>                     | : DART US DART AEROSPACE      | <b>Nom Dessin</b>      | : UTILITY POB LID                |
| <b>Numéro Job</b>                 | : 58201                       | <b>Numéro Article</b>  | : DKC134-0073                    |
| <b>Numéro</b>                     | : 4347                        | <b>Numéro Dessin</b>   | : D2202                          |
| <b>Numéro B.A.</b>                | :                             | <b>Projet Numéro</b>   | : DK-362                         |
| <b>Cette fois</b>                 | : 2013-12-09 No. :            | <b>Révision dessin</b> | : G                              |
| <b>Prsht Rev.</b>                 | : NC                          | <b>Matériel</b>        | : Resine Darakane 470-36/411/510 |
| <b>Prem. fois</b>                 | : - - Type :                  | <b>Date Dûe</b>        | : 2013-12-16 Qté: 1 Ud UNITE     |
| <b>Job précédente</b>             | : 56326                       |                        |                                  |
| <b>Écrit par</b>                  | :                             |                        |                                  |
| <b>Vérifié &amp; Approuvé par</b> | :                             |                        |                                  |
| <b>Commentaires</b>               | : N° de Pièce Client: D2202-1 |                        |                                  |


 Process Sheet Rév.: 03 Ajout de la IF134-0008 à la  
 séquence 35.0.

## Produit additionnel

Numéro Job:



| # Séq.: | Machine ou | Description : |
|---------|------------|---------------|
|---------|------------|---------------|

|     |         |                                |
|-----|---------|--------------------------------|
| 1.0 | AAC1616 | N° 83634, Frekote Loctite Wolo |
|-----|---------|--------------------------------|

|                |                                |                        |
|----------------|--------------------------------|------------------------|
| <b>Comment</b> | Qty.: 0.030 UNITE(s)/Unit      | Total : 0.030 UNITE(s) |
|                | N° 83634, Frekote Loctite Wolo | # de Lot: 1-42289-1    |

|     |              |                         |
|-----|--------------|-------------------------|
| 2.0 | PREP-GENERAL | Préparation du matériel |
|-----|--------------|-------------------------|


**Comment** Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire la préparation du moule N° DT8002 selon IG 0009.

Date: 6/01/14 Sceau:



|     |         |                               |
|-----|---------|-------------------------------|
| 3.0 | AMB0350 | Gel Coat Blanc N° Gel 944W005 |
|-----|---------|-------------------------------|

|                |                                |                             |
|----------------|--------------------------------|-----------------------------|
| <b>Comment</b> | Qty.: 1.250 KILOGRAMME(s)/Unit | Total : 1.250 KILOGRAMME(s) |
|                | Gel Coat Blanc N° Gel 944W005  | N° de Lot: 1-43047-1        |

|     |         |                   |
|-----|---------|-------------------|
| 4.0 | AMB0286 | Catalyst N° DDM-9 |
|-----|---------|-------------------|

|                |                             |                          |
|----------------|-----------------------------|--------------------------|
| <b>Comment</b> | Qty.: 0.0095 GALLON(s)/Unit | Total : 0.0095 GALLON(s) |
|                | Catalyst N° DDM-9           | N° de Lot: 1-27829-1     |

|     |          |                         |
|-----|----------|-------------------------|
| 5.0 | GEL COAT | Application du Gel Coat |
|-----|----------|-------------------------|


**Comment** Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Appliquer le gel coat selon IG 0019.

Date: 7/01/14 Sceau:





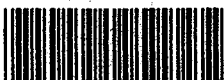
Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58201

Nom Dessin: UTILITY POD LID  
Numéro: DKC134-0073

Numéro Job:



| # Séq.: | Machine ou Opération: | Description : |
|---------|-----------------------|---------------|
|---------|-----------------------|---------------|

|     |         |                                                     |
|-----|---------|-----------------------------------------------------|
| 6.0 | AMB0214 | 9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish |
|-----|---------|-----------------------------------------------------|

Comment Qty.: 9.90 VERGE(s)/Unit Total : 9.90 VERGE(s)  
9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

N° de Lot: 1-43410-1

|     |         |                                 |
|-----|---------|---------------------------------|
| 7.0 | AAC1885 | Tissu à délaminer Release ply B |
|-----|---------|---------------------------------|

Comment Qty.: 9.16 VERGE(s)/Unit Total : 9.16 VERGE(s)  
Tissu à délaminer Release ply B

# de Lot: N/A

|     |         |                                      |
|-----|---------|--------------------------------------|
| 8.0 | AAC1608 | 5oz plain weave Kevlar 50" wide roll |
|-----|---------|--------------------------------------|

Comment Qty.: 6.60 VERGE(s)/Unit Total : 6.60 VERGE(s)  
5oz plain weave Kevlar 50" wide roll

N° de Lot: 1-42765-1

|     |         |                        |
|-----|---------|------------------------|
| 9.0 | AAC1887 | Wrightlon 5200 Bleu P3 |
|-----|---------|------------------------|

Comment Qty.: 14.95 VERGE(s)/Unit Total : 14.95 VERGE(s)  
Wrightlon 5200 Bleu P3

# de Lot: N/A

|      |        |                                     |
|------|--------|-------------------------------------|
| 10.0 | AC0885 | Feutre de drainage N° Airweave N 10 |
|------|--------|-------------------------------------|

Comment Qty.: 12.50 VERGE(s)/Unit Total : 12.50 VERGE(s)

|      |        |                                  |
|------|--------|----------------------------------|
| 11.0 | AC0943 | Stretchlon 200 poche à vide Vert |
|------|--------|----------------------------------|

Comment Qty.: 42.63 PIED(s)/Unit Total : 42.63 PIED(s)

|      |        |                                   |
|------|--------|-----------------------------------|
| 12.0 | AC0886 | Ruban à gommer jaune #: T/AT-200Y |
|------|--------|-----------------------------------|

Comment Qty.: 3.0000 ROULEAU(s)/Unit Total : 3.0000 ROULEAU(s)

|      |          |                               |
|------|----------|-------------------------------|
| 13.0 | TAILLAGE | Faire le taillage du matériel |
|------|----------|-------------------------------|



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire le taillage du matériel selon les Dimensions requises:

Un morceau pour recouvrir le fond du moule N° DT8002.

Deux morceaux pour couvrir les extrémités du moule N° DT8002.

Deux morceaux pour recouvrir les cotés du moule N° DT8002.

Faire cette opération pour les trois plis de 9 oz ainsi que pour les deux plis de 5 oz de Kevlar.

Tailler le matériel nécessaire pour la poche à vide ( Faire 3 kits car il y aura trois baggings différents lors de la fabrication de cette pièce):

Peel Ply

Film Durisol P-3

Feutre de drainage 6m

Stretchlon 200

Coller une bande de ruban jaune tout le tour du Stretchlon 200, plier les différentes composantes des poches à vide et entreposer en attente des opérations de bagging.

Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58201

Nom Dessin: UTILITY POD LID  
Numéro DKC134-0073

Numéro Job:



# Séq.: Machine ou Opération:

Description :

Date: 12-12-13 Sceau: 4499 013



14.0 AMB0212 Résine (411B7530) 411-350 promo. 75min.

Comment Qty.: 2.500 KILOGRAMME(s)/Unit Total: 2.500 KILOGRAMME(s)  
Résine (411B7530) 411-350 promo. 75min. N° de Lot: 1-43769-1

15.0 AMB0286 Catalyst N° DDM-9

Comment Qty.: 0.0845 GALLON(s)/Unit Total: 0.0845 GALLON(s)  
Catalyst N° DDM-9 N° de Lot: 1-27829-1

16.0 PREP-GENERAL Préparation du matériel



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Mélanger la quantité de résine désirée pour le laminage des trois premier plis du Pod Lid :  
1.5% de catalyst DDM-9 par quantité de résine Derakane 411-350 Promoté 75 Min.

Date: 7/01/14 Sceau: 73



17.0 LAMINAGE Faire le laminage



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire le laminage des trois premiers plis de tissu ( 2 plis de 9 oz et 1 pli de 5 oz Kevlar )  
de la façon suivante:

Recouvrir toute la surface du moule N° DT8002 à l'aide de de résine Derakane 411-350  
Promoté 75 Minutes, ensuite venir laminer un pli de 9 oz dans le fond du moule, suivre  
avec les deux extrémités et terminer avec les deux cotés. ( Ajouter de la résine au besoin  
)

Recommencer pour les deux autres plis. ( un pli de 9 oz et un pli de 5 oz Kevlar )

Date: 7/01/14 Sceau: 56



18.0 BAGGING Faire le bagging sur la pièce



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire la poche à vide selon IG 0012

Laisser sécher 4 heures minimum

Date: 7/01/14 Sceau: 56



Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58201

Nom Dessin: UTILITY POD LID  
Numéro DKC134-0073

Numéro Job:



# Séq.: Machine ou Opération: Description :

19.0 AMB0212 Résine (411B7530) 411-350 promo. 75min.

Comment Qty.: 0.400 KILOGRAMME(s)/Unit Total : 0.400 KILOGRAMME(s)  
Résine (411B7530) 411-350 promo. 75min. N° de Lot: 6-43767-1

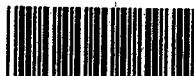
20.0 AMB0286 Catalyst N° DDM-9

Comment Qty.: 0.0135 GALLON(s)/Unit Total : 0.0135 GALLON(s)  
Catalyst N° DDM-9 N° de Lot: 1-27829-1

21.0 DKC134-0022 D2202-101 Foam Core ( Utility Pod Lid )

Comment Qty.: 1 UNITE(s)/Unit Total : 1 UNITE(s)  
D2202-101 Foam Core ( Utility Pod Lid ) N° de Job: 6-43704-1

22.0 PREP-GENERAL Préparation du matériel



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire un mélange de résine Derakane 411-350 Promoté 15 à 18 Minutes 1.5% de catalyst  
DDM-9 par quantité de résine.

Date: 18-12-13 Sceau:



23.0 ASSEMBLAGE Assemblage mécanique



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Sceller le Foam Core N° DKC134-0022 selon IG 0105.

Date: 18-12-13 Sceau:



4499 D.B

24.0 AAC1611 Polybond B46F

Comment Qty.: 0.150 KIT(s)/Unit Total : 0.150 KIT(s)  
Polybond B46F N° de Lot: 1-40597-1

25.0 ASSEMBLAGE Assemblage mécanique



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire l'assemblage du Foam Core N° DKC134-0022 à l'aide du polybond 46F selon IG  
0033.

Date: 08-01-14 Sceau:



26.0 BAGGING Faire le bagging sur la pièce



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire la poche à vide selon IG 0012.

Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

|                                                                                                                                                                                                                                                                                 |                                                                                                                                  |                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Client:</b> DART US DART AEROSPACE                                                                                                                                                                                                                                           | <b>Nom Dessin:</b> UTILITY POD LID                                                                                               |                                         |
| <b>Numéro Job:</b> 58201                                                                                                                                                                                                                                                        | <b>Numéro:</b> DKC134-0073                                                                                                       |                                         |
| Numéro Job:                                                                                                                                                                                    |                                                                                                                                  |                                         |
| <b># Séq.:</b>                                                                                                                                                                                                                                                                  | <b>Machine ou Opération:</b>                                                                                                     | <b>Description :</b>                    |
| Retirer le bagging avant la fin de la polymérisation (entre 1h et 1h30) afin d'enlever le surplus de Polybond.                                                                                                                                                                  |                                                                                                                                  |                                         |
| Heure début Curing: <u>1030</u> Heure Fin Curing: <u>1130</u>                                                                                                                                                                                                                   |                                                                                                                                  |                                         |
| Date: <u>08-01-14</u> sceau:                                                                                                                                                                   |                                                                                                                                  |                                         |
| 27.0                                                                                                                                                                                                                                                                            | AMB0212                                                                                                                          | Résine (411B7530) 411-350 promo. 75min. |
| <b>Comment</b>                                                                                                                                                                                                                                                                  | Qty.: 2.500 KILOGRAMME(s)/Unit Total: 2.500 KILOGRAMME(s)<br>Résine (411B7530) 411-350 promo. 75min. N° de Lot: <u>1-43769-1</u> |                                         |
| 28.0                                                                                                                                                                                                                                                                            | AMB0286                                                                                                                          | Catalyst N° DDM-9                       |
| <b>Comment</b>                                                                                                                                                                                                                                                                  | Qty.: 0.0845 GALLON(s)/Unit Total: 0.0845 GALLON(s)<br>Catalyst N° DDM-9 N° de Lot: <u>1-27629-1</u>                             |                                         |
| 29.0                                                                                                                                                                                                                                                                            | PREP-GENERAL                                                                                                                     | Préparation du matériel                 |
|                                                                                                             |                                                                                                                                  |                                         |
| <b>Comment</b>                                                                                                                                                                                                                                                                  | Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs                                                                             |                                         |
| Mélanger la quantité de résine désirée pour le laminage des deux derniers plis du Pod<br>Base: 1.5% de catalyst DDM-9 par quantité de résine Derakane 411-350 Promoté 75 minutes.                                                                                               |                                                                                                                                  |                                         |
| Date: <u>9/01/14</u> Sceau:                                                                               |                                                                                                                                  |                                         |
| 30.0                                                                                                                                                                                                                                                                            | LAMINAGE                                                                                                                         | Faire le laminage                       |
|                                                                                                         |                                                                                                                                  |                                         |
| <b>Comment</b>                                                                                                                                                                                                                                                                  | Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs                                                                             |                                         |
| Faire le laminage des deux dernier plis de tissu ( 1 plis de 5 oz Kevlar et 1 pli de 9 oz) de la façon suivante:                                                                                                                                                                |                                                                                                                                  |                                         |
| Recouvrir toute la surface du moule N° DT8002 à l'aide de de résine Derakane 411-350 Promoté 75 minutes, ensuite venir laminer un pli de 5 oz Kevlar dans le fond du moule, suivre avec les deux extrémités et terminer avec les deux cotés. ( Ajouter de la résine au besoin ) |                                                                                                                                  |                                         |
| Recommencer pour le dernier plis. ( un pli de 9 oz )                                                                                                                                                                                                                            |                                                                                                                                  |                                         |
| Date: <u>9/01/14</u> Sceau:                                                                               |                                                                                                                                  |                                         |

Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58201

Nom Dessin: UTILITY POD LID  
Numéro: DKC134-0073

Numéro Job:



# Séq.: Machine ou Operation: Description:

31.0

BAGGING

Faire le bagging sur la pièce



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire la poche à vide selon IG 0012.

Laisser sécher 4 heures minimum.

Heure début Curing: 10:30

Heure Fin Curing: 8:00

Date: 9/10/14 Sceau:



32.0

DÉMOULAGE

Démoulage de la pièce



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire le démoulage du Utility Pod Lid en faisant bien attention de ne pas endommager la pièce

Autocontrôle de la qualité du laminage en frappant légèrement sur toute la surface du Pod à l'aide du manche d'un tournevis.

Date: 10/10/14 Sceau:



33.0

AAC1492

N° P-15-3, Adtech Micro Ultra Filler

Comment Qty.: 0.060 GALLON(s)/Unit Total : 0.060 GALLON(s)  
N° P-15-3, Adtech Micro Ultra Filler # de Lot: 1-43091-1

34.0

FINITION

Finition Générale



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Sabler légèrement toute la surface intérieur du pod à l'aide de papier sablé grit 120.

Vérifier la surface intérieur du pod et injecter à l'aide d'une seringue munie d'une aiguille de la résine au endroit où il y a des bulles d'air.

Corriger les imperfection de surface à l'aide du "Filler" P15-3 selon IG 0043

Laisser sécher jusqu'au lendemain.

Date: 13/10/14 Sceau:



Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58201

Nom Dessin: UTILITY POD LID  
Numéro: DKC134-0073

Numéro Job:



# Séq.: Machine ou Opération: Description:

35.0 TRIMAGE Trimage



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire le trimage du Pod Lid selon la IF134-0008.

Date: 10/01/14 Sceau:

36.0 AAC1021 Dupont Primer N° 7704S

Comment Qty.: 0.4300 UNITE(s)/Unit Total : 0.4300 UNITE(s)  
Dupont Primer N° 7704S N° de Lot: 1-43946-3

37.0 AAC1101 N° 7775S, Dupont Activator - Reducer Chromabase

Comment Qty.: 0.0283 UNITE(s)/Unit Total : 0.0283 UNITE(s)  
N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot: 2-40909-1

38.0 PRIMER Application primer



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Préparer et appliquer un couche de primer gris N° 7704S selon IG 0008

Date: 13/01/14 Sceau: # Fiche de Mélange: 6533

39.0 FINITION Finition Générale



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire le sablage au grit 180 de la surface primé pour enlever les imperfections restantes.

Date: 14/01/14 Sceau:

40.0 AAC1021 Dupont Primer N° 7704S

Comment Qty.: 0.2167 UNITE(s)/Unit Total : 0.2167 UNITE(s)  
Dupont Primer N° 7704S N° de Lot: 1-43946-3

41.0 AAC1101 N° 7775S, Dupont Activator - Reducer Chromabase

Comment Qty.: 0.0283 UNITE(s)/Unit Total : 0.0283 UNITE(s)  
N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot: 2-44063-3

42.0 PRIMER Application primer



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Préparer et appliquer un couche de primer gris N° 7704S selon IG 0008

Date: 16/01/14 Sceau: # Fiche de Mélange: 6535

Date: Lundi, 2013-12-09 07:21:38  
Utilisateur: marc dubé

## Feuille de Procédé

Client: DART US DART AEROSPACE  
Numéro Job: 58201

Nom Dessin: UTILITY POD LID  
Numéro: DKC134-0073

Numéro Job:



| # Séq.: | Machine ou Opération: | Description : |
|---------|-----------------------|---------------|
|---------|-----------------------|---------------|

|      |              |                   |
|------|--------------|-------------------|
| 43.0 | INSPEC FINAL | Inspection finale |
|------|--------------|-------------------|



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Faire l'inspection dimensionnelle et visuelle de la pièce selon le dessin.

Date: 17 jan 14 Sceau:



|      |                 |                         |
|------|-----------------|-------------------------|
| 44.0 | EMBAL / ENTREPO | Emballage & Entreposage |
|------|-----------------|-------------------------|



Comment Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs

Emballer et entreposer selon IG 0057

Date: 20-1-14 Sceau: 4451SM